

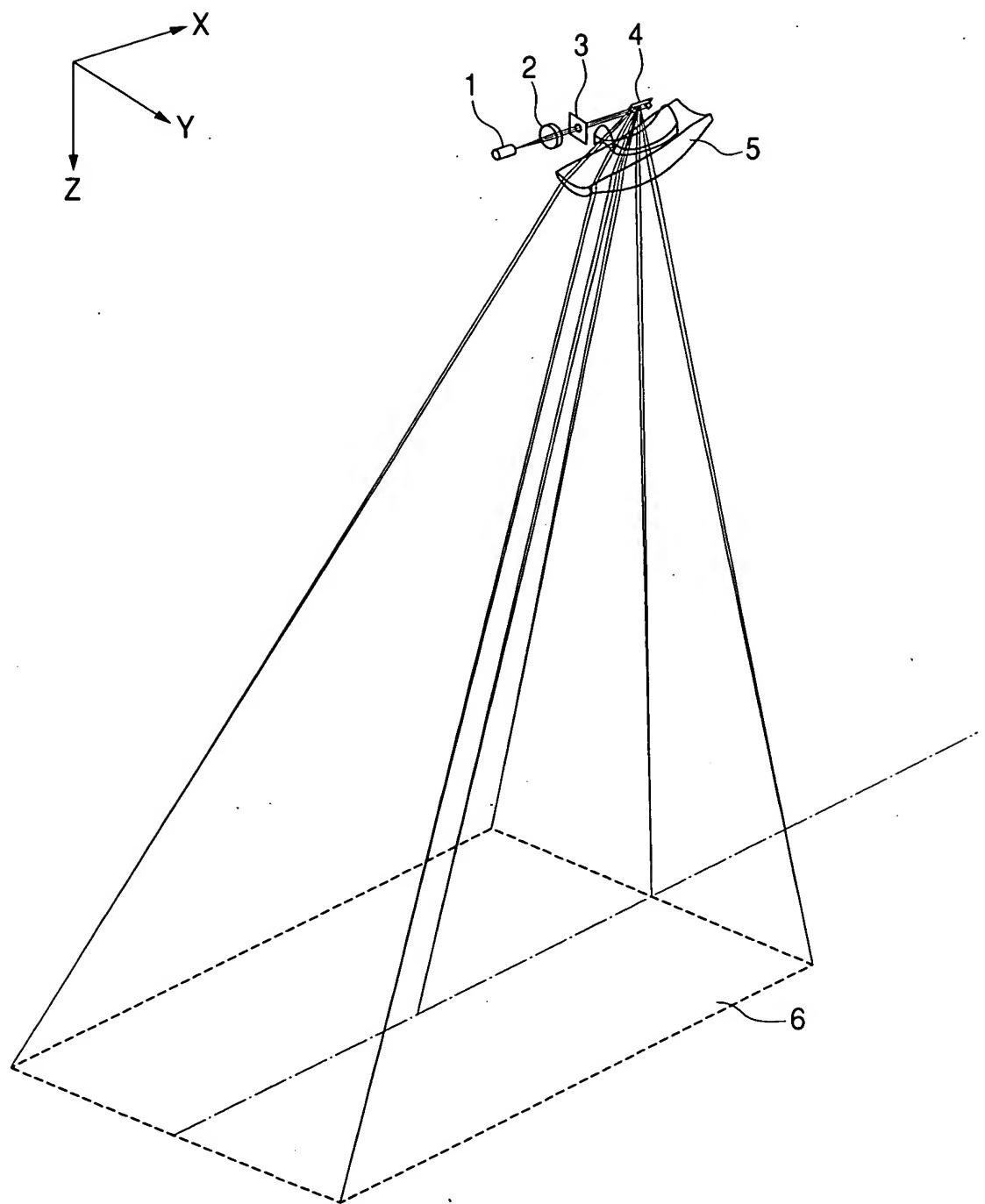
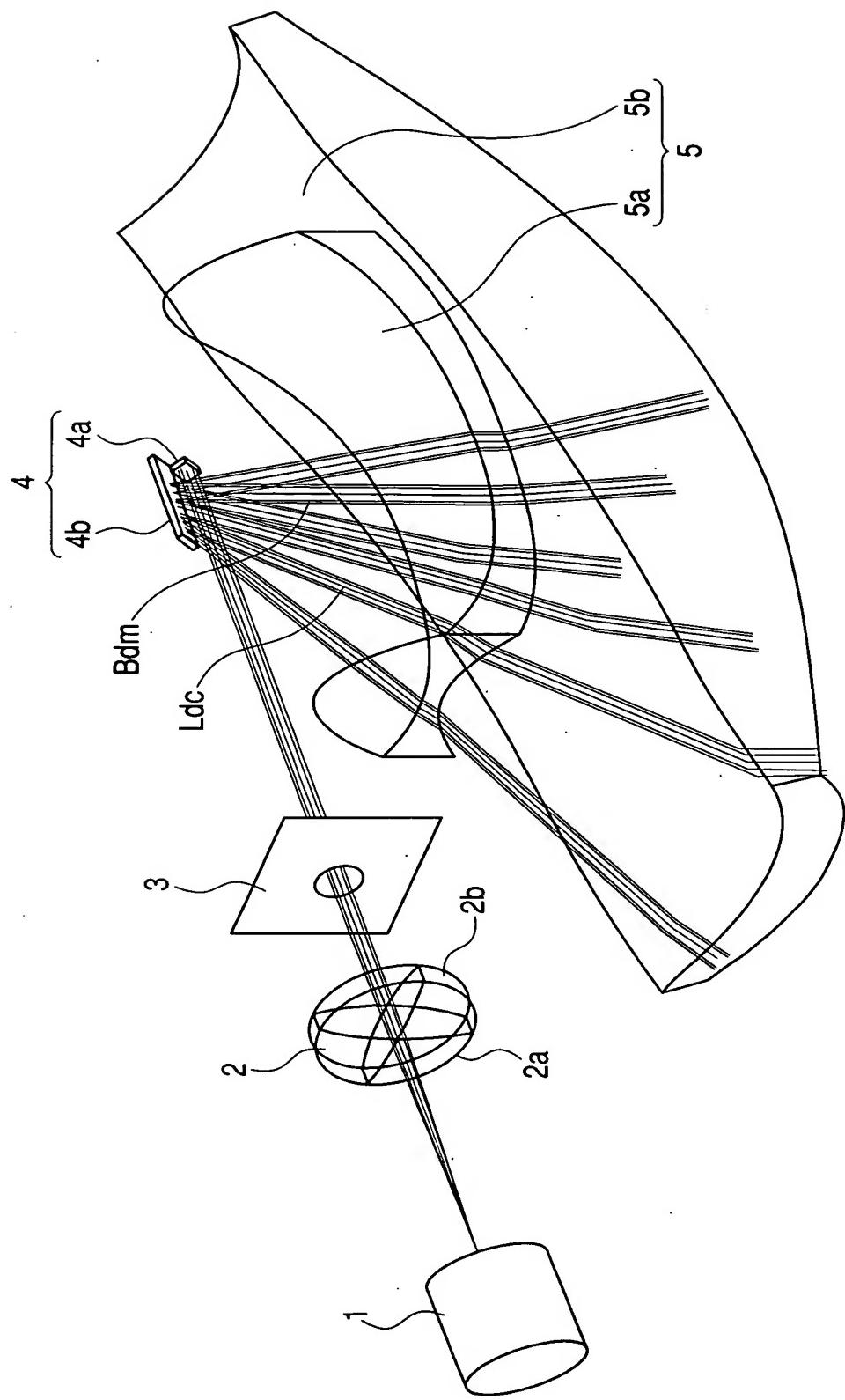
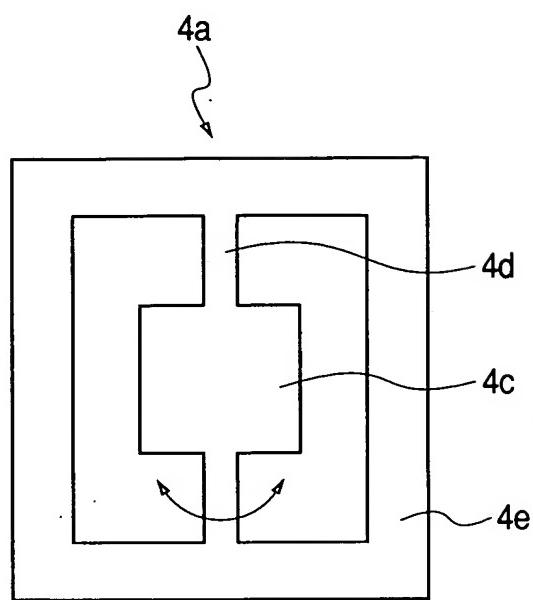
**FIG. 1**

FIG. 2



*FIG. 3A*



*FIG. 3B*

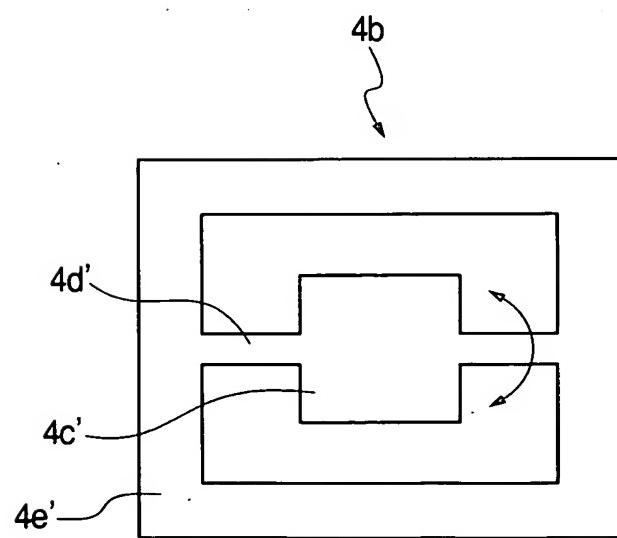
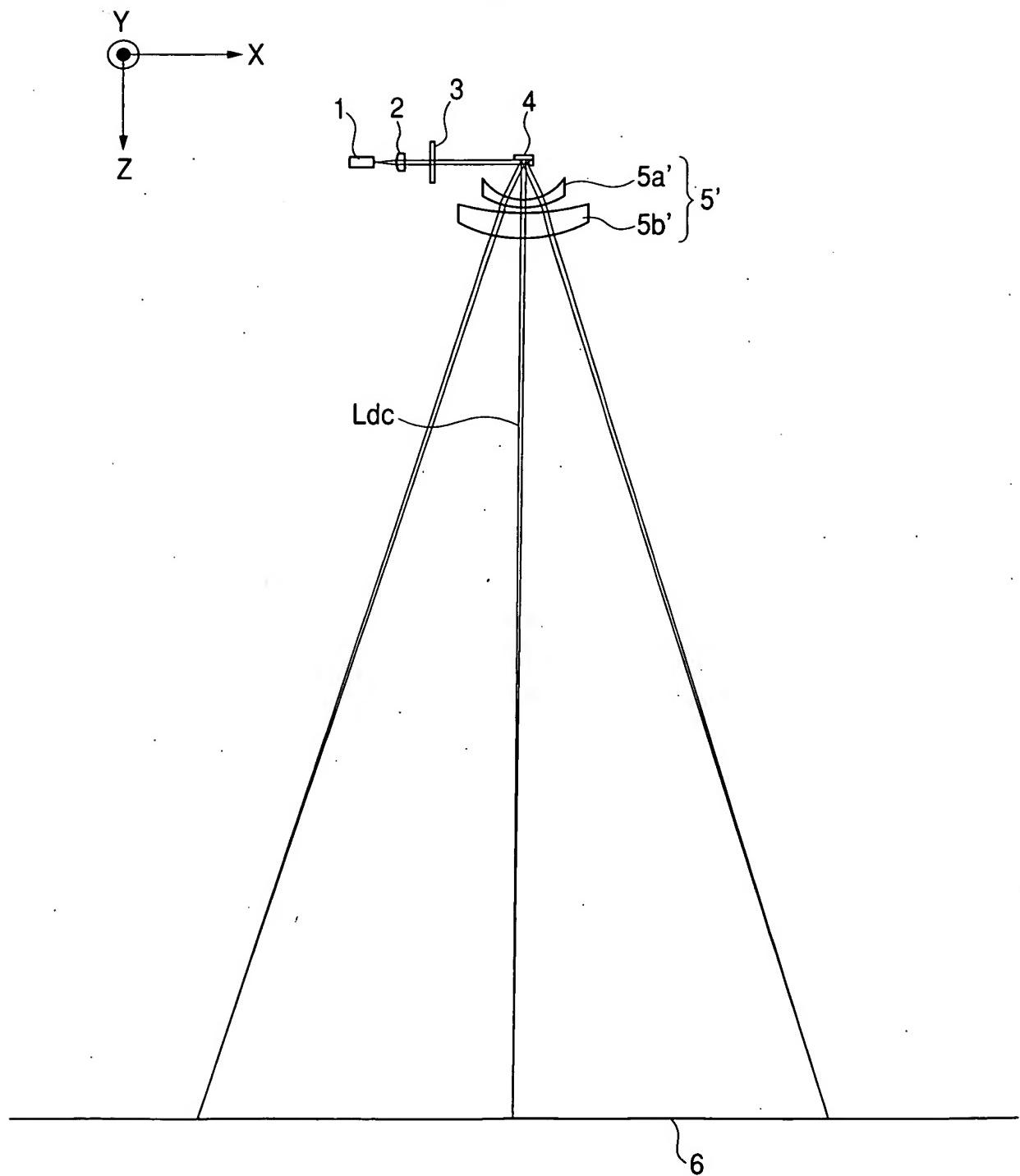


FIG. 4



**FIG. 5A**

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OPTICAL SYSTEM							
OPTICAL SURFACE		RADIUS OF SURFACE SEPARATION		POSITION OF SURFACE VERTEX		TILT OF NORMAL TO SURFACE	
DEVICE	SURFACE	Y RADIUS OF SURFACE SEPARATION	POSITION Z	POSITION X	POSITION Y	TI LT ZX	TI LT ZY
		(mm)	(mm)	(mm)	(mm)	(deg)	(deg)
DEFLECTING UNIT 4	REFLECTING SURFACE		19.490	0.000	0.000	0.000	
FIRST SCANNING LENS 5a'	INCIDENT SURFACE LIGHT EMERGENCE SURFACE	-52.6860 -72.9672	3.000 2.000	19.490 22.490	0.000 0.000	0.000 0.000	0.000 0.000
SECOND SCANNING LENS 5b'	INCIDENT SURFACE LIGHT EMERGENCE SURFACE	-89.0572 -61.7955	12.712 432.671	24.490 37.202	0.000 0.000	0.000 0.000	0.000 0.000
SURFACE TO BE SCANNED 6				469.873	0.000	0.000	0.000

*FIG. 5B*

ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 5a'				K
SURFACE	INCIDENT SURFACE				-1.8977E+01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-2.4329E-03	9.5563E-05	4.2894E-07	-6.3143E-10
$x^2$	-4.5363E-03	8.9788E-05	-3.7654E-07	-1.9146E-09	0.0000E+00
$x^4$	-7.1872E-05	6.0851E-07	-5.6160E-09	0.0000E+00	0.0000E+00
$x^6$	-4.7550E-08	2.5491E-09	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	-1.1199E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

*FIG. 5C*

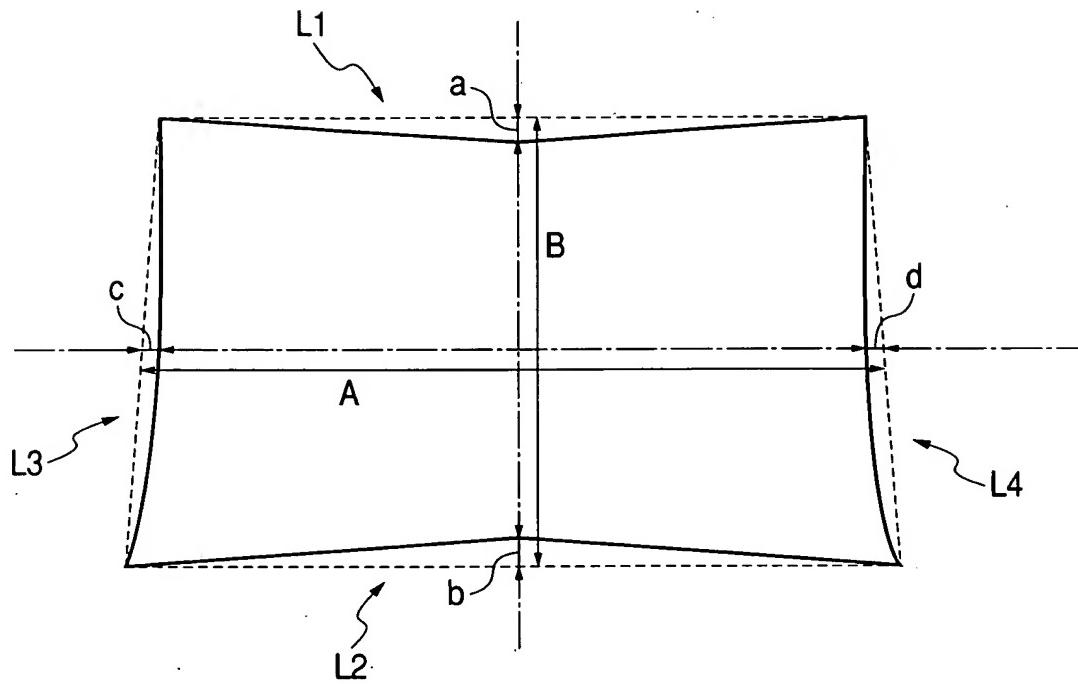
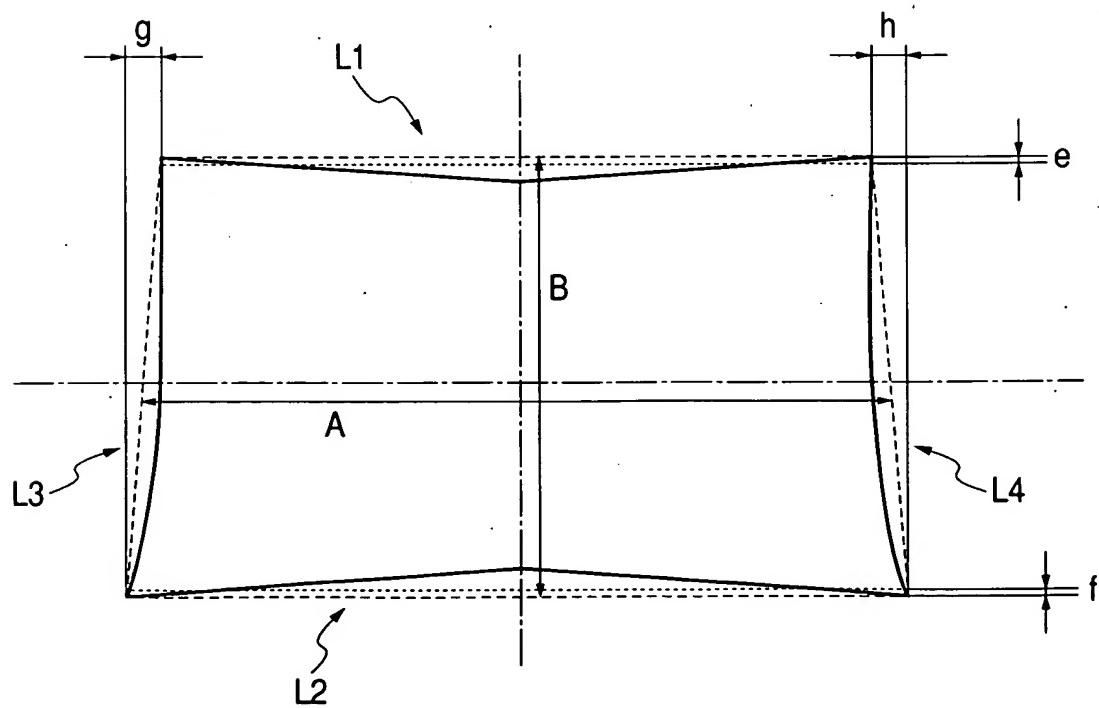
ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 5a'				K
SURFACE	LIGHT EMERGENCE SURFACE				3.3674E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-8.8805E-03	1.0608E-04	3.4862E-07	2.2660E-09
$x^2$	-6.1817E-03	1.2334E-04	-3.7014E-07	-3.7415E-09	0.0000E+00
$x^4$	-2.1866E-05	2.1179E-07	-7.2546E-10	0.0000E+00	0.0000E+00
$x^6$	-6.5104E-08	8.2409E-10	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	7.1489E-11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

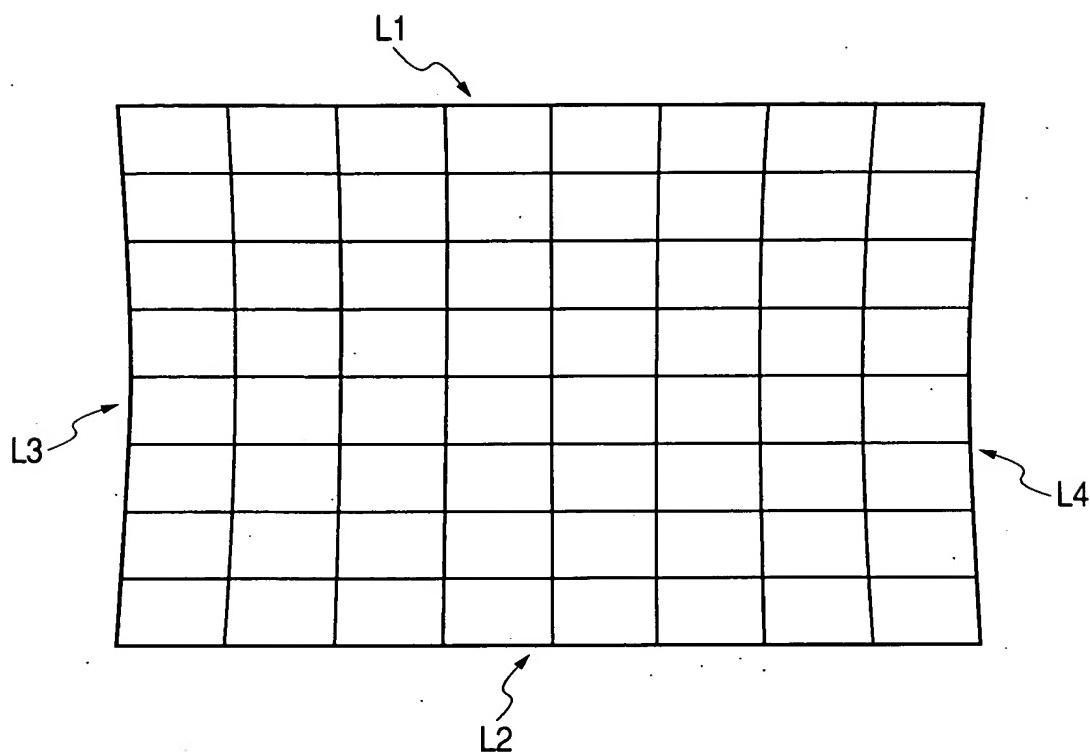
FIG. 5D

ASPHERICAL COEFFICIENT						
DEVICE	SECOND SCANNING LENS 5b'					K
SURFACE	INCIDENT SURFACE					8.7944E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$	$\gamma^{10}$
$X^0$	0.0000E+00	-7.9033E-03	-2.5900E-05	4.6536E-08	6.0897E-10	5.5563E-13
$X^2$	-5.6029E-04	-6.1477E-07	3.2752E-08	2.8149E-10	6.6453E-12	0.0000E+00
$X^4$	4.0844E-06	-1.5741E-08	1.4739E-10	-5.1325E-13	0.0000E+00	0.0000E+00
$X^6$	-2.3846E-09	2.4979E-12	-1.4764E-13	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	-2.9666E-13	1.8946E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^{10}$	-2.2325E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 5E

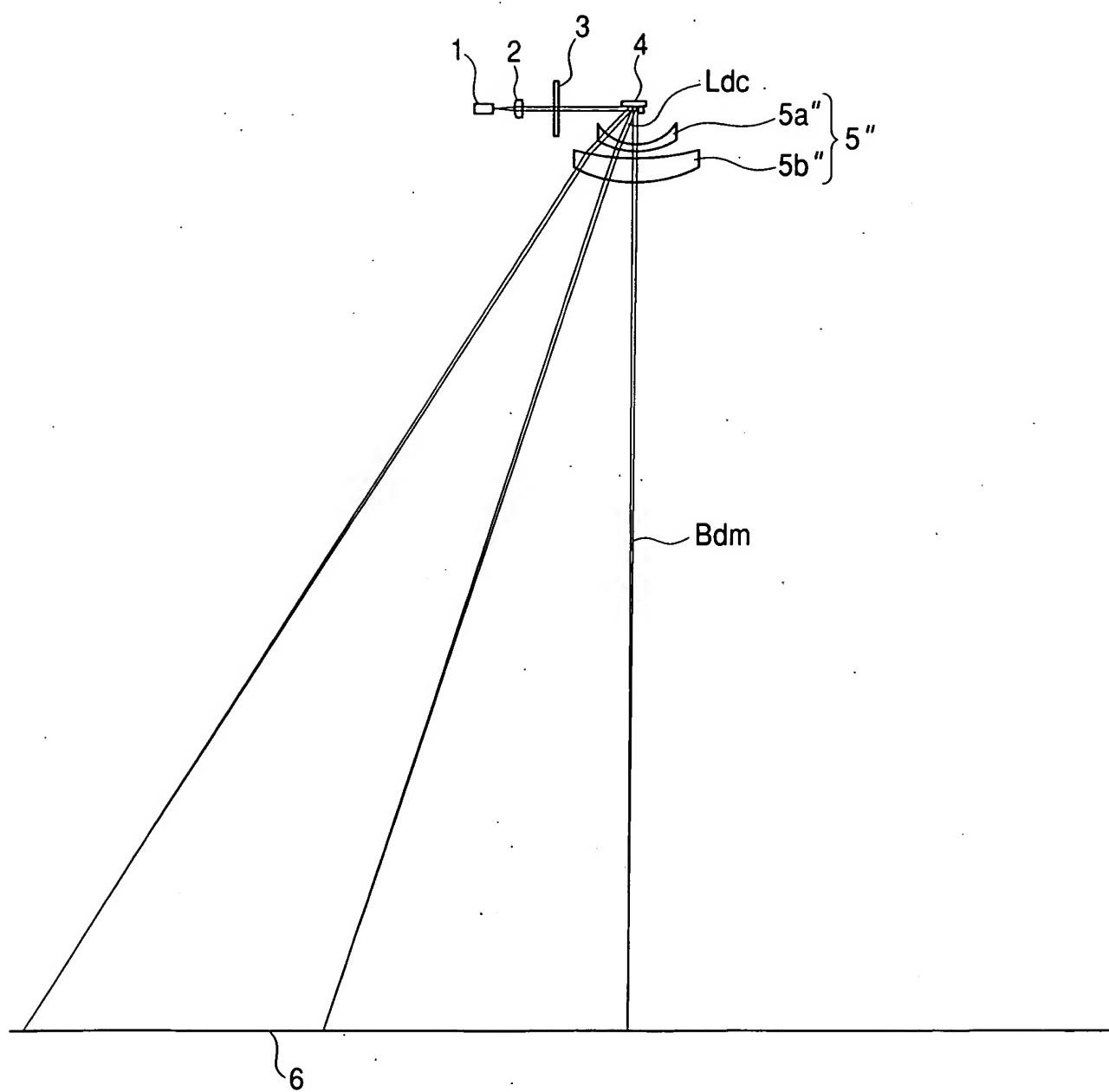
ASPHERICAL COEFFICIENT						
DEVICE	SECOND SCANNING LENS 5b'					K
SURFACE	LIGHT EMERGENCE SURFACE					1.1223E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$	$\gamma^{10}$
$X^0$	0.0000E+00	-2.6639E-03	-1.7603E-05	1.8446E-08	-1.1943E-10	-4.1606E-14
$X^2$	-3.1540E-04	-8.5071E-06	2.2095E-08	6.8159E-11	6.2392E-13	0.0000E+00
$X^4$	-5.8311E-06	-9.8501E-10	-5.5316E-11	-2.0112E-13	0.0000E+00	0.0000E+00
$X^6$	7.9053E-09	-2.6452E-12	2.7772E-14	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	-4.4063E-12	-1.2391E-15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^{10}$	6.4081E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

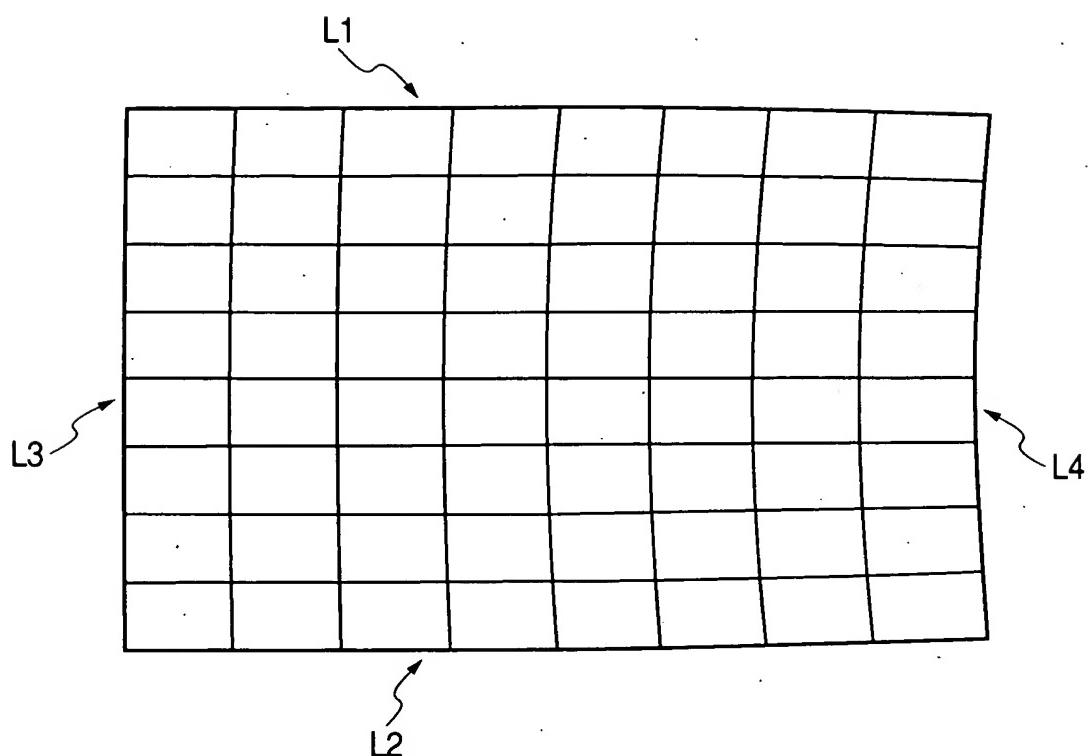
***FIG. 6A******FIG. 6B***

**FIG. 7****FIG. 8**

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.121 (%)	UPPER SIDE	0.000 (%)
LOWER SIDE	-0.121 (%)	LOWER SIDE	0.000 (%)
LEFT SIDE	1.533 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-1.533 (%)	RIGHT SIDE	0.000 (%)

*FIG. 9*



**FIG. 10****FIG. 11**

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.900 (%)	UPPER SIDE	1.021 (%)
LOWER SIDE	-0.900 (%)	LOWER SIDE	1.021 (%)
LEFT SIDE	0.000 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-1.702 (%)	RIGHT SIDE	0.000 (%)

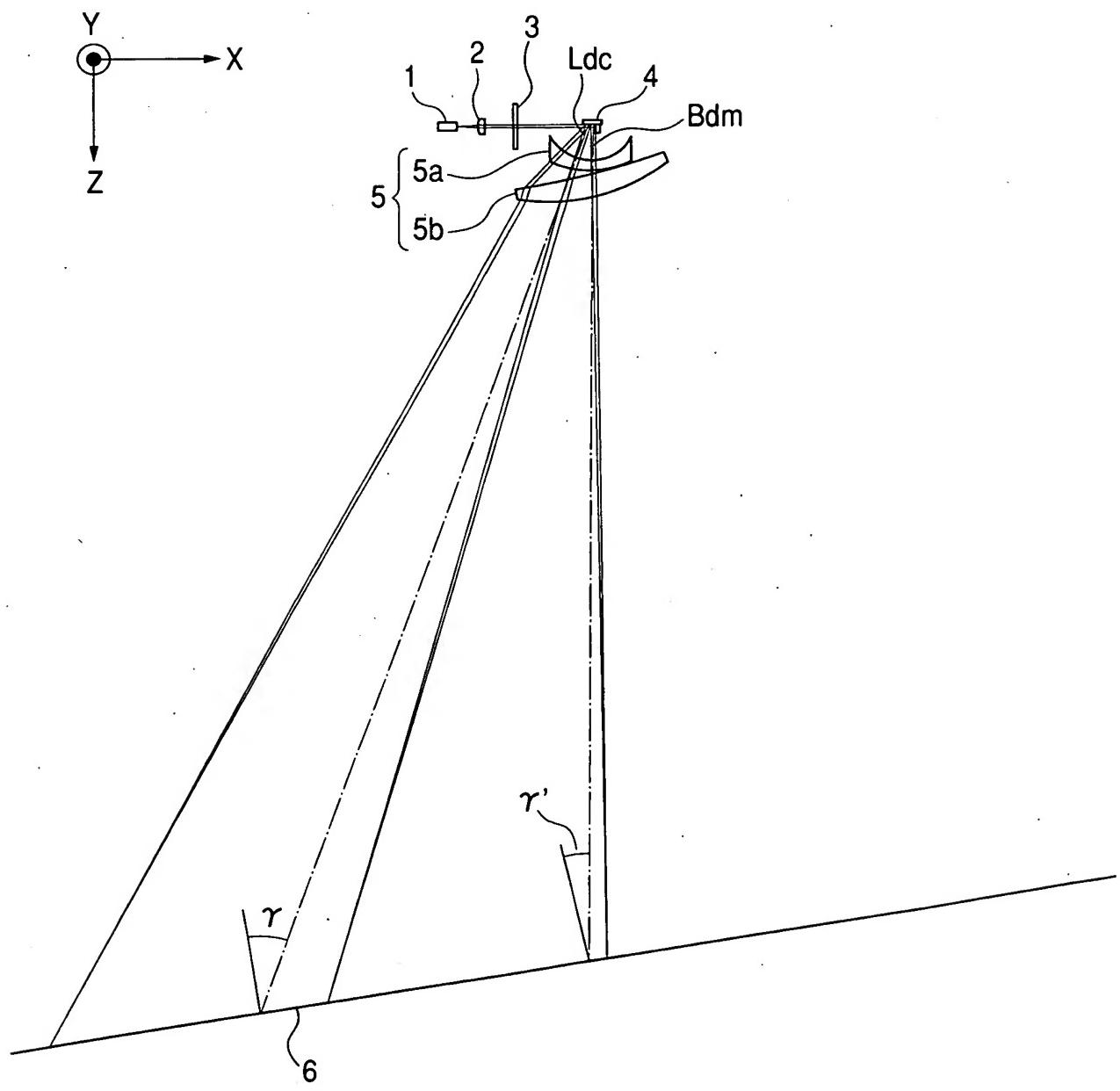
**FIG. 12**

FIG. 13

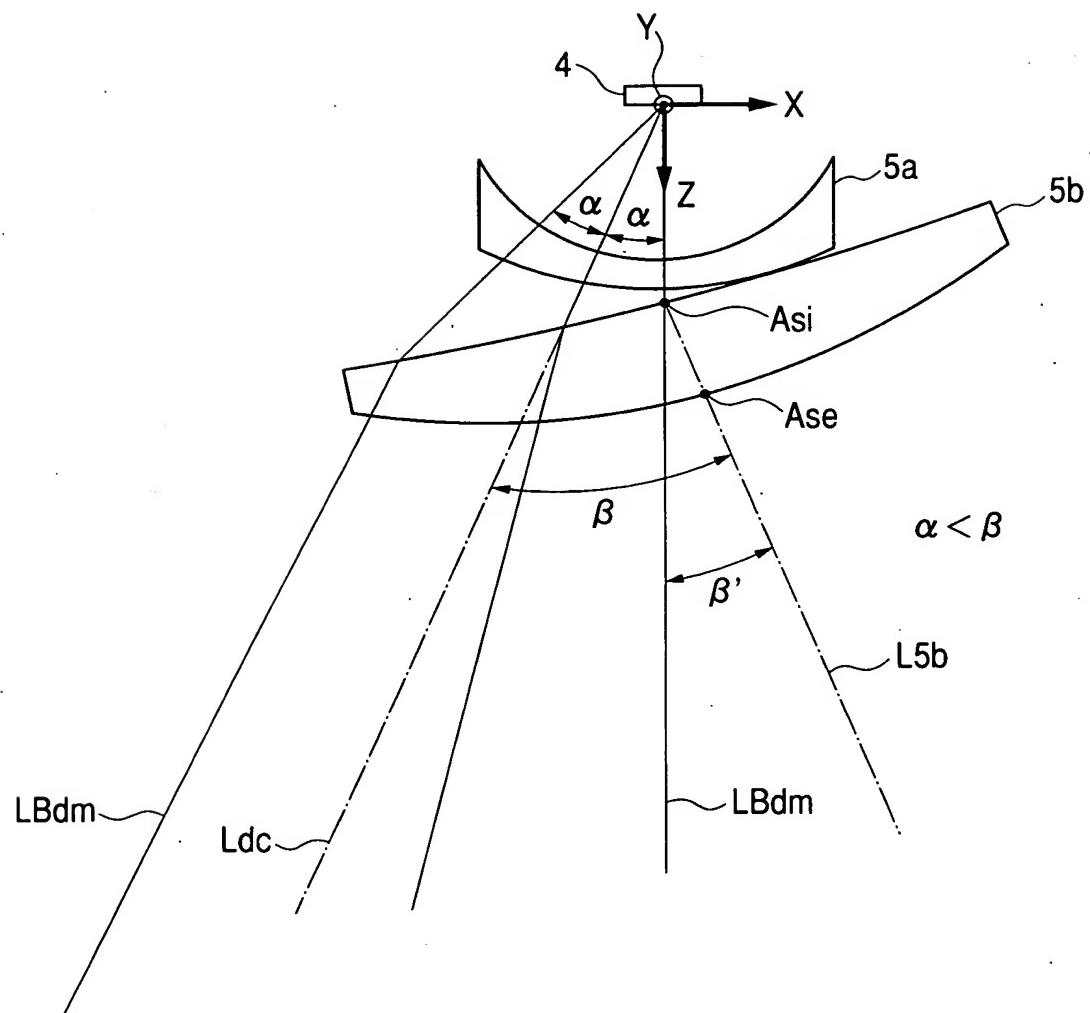


FIG. 14A

OPTICAL SYSTEM							
OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION	POSITION OF SURFACE VERTEX	TILT OF NORMAL TO SURFACE		REFRACTIVE INDEX	DISPERSION
DEVICE	SURFACE	SURFACE SEPARATION	POSITION Z	POSITION X	POSITION Y	TILT ZX	TILT ZY
		(mm)	(mm)	(mm)	(mm)	(deg)	(deg)
DEFLECTING UNIT 4	REFLECTING SURFACE		20.288	0.000	0.000		
FIRST SCANNING LENS 5a	INCIDENT SURFACE LIGHT EMER- GENCE SURFACE	-63.8275	3.000	20.288	0.000	0.000	1.53064
SECOND SCANNING LENS 5b	INCIDENT SURFACE LIGHT EMER- GENCE SURFACE	-93.3323	2.000	23.288	0.000	0.000	1.53064
SURFACE TO BE SCANNED 6						10.134	0.000

FIG. 14B

ASSPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 5a				K
SURFACE	INCIDENT SURFACE				-2.3031E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	8.9907E-04	1.1848E-04	4.0591E-07	-2.9912E-09
$x^2$	-4.7842E-03	7.4447E-05	-4.1490E-07	-9.1047E-10	0.0000E+00
$x^4$	-6.9854E-05	6.4756E-07	-5.6615E-09	0.0000E+00	0.0000E+00
$x^6$	-3.4655E-08	2.5051E-09	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	-1.2845E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14C

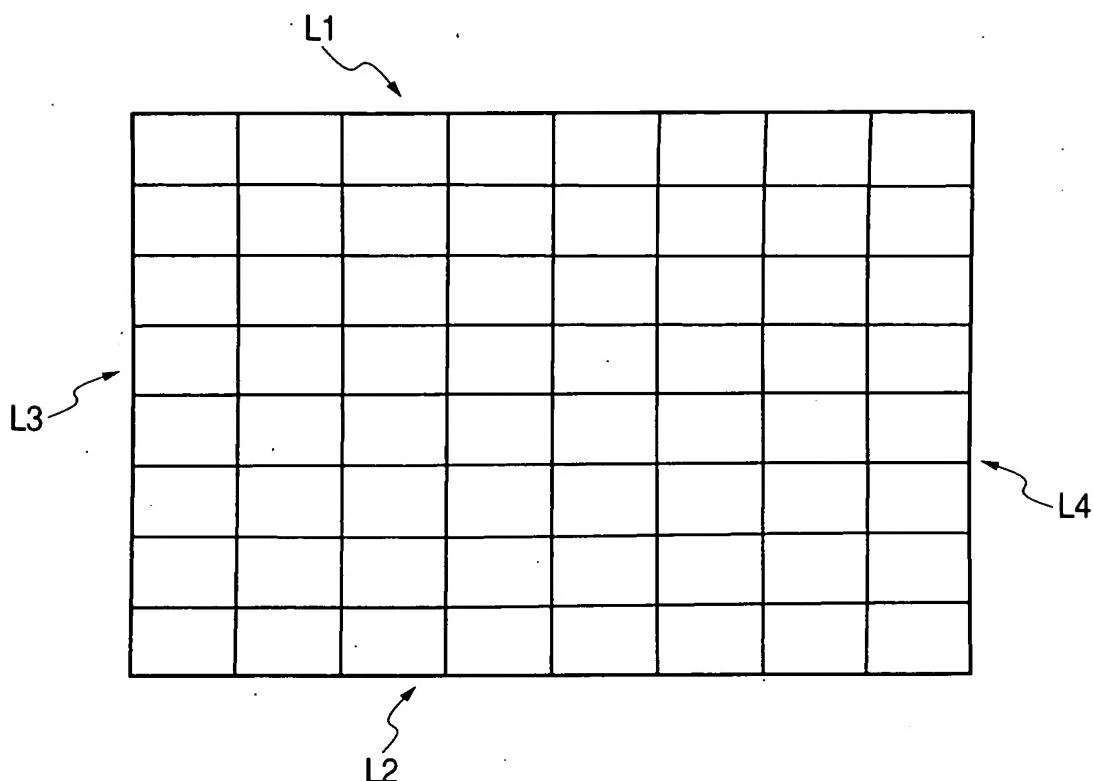
ASSPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 5a				K
SURFACE	LIGHT EMERGENCE SURFACE				-9.9922E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-1.2594E-02	9.6063E-05	3.2645E-07	5.2057E-10
$x^2$	-6.1191E-03	1.2948E-04	-2.7195E-07	-2.5534E-09	0.0000E+00
$x^4$	-2.2681E-00	1.8864E-07	-1.1439E-09	0.0000E+00	0.0000E+00
$x^6$	-6.6590E-08	9.0531E-10	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	7.5080E-11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14D

ASSPHERICAL COEFFICIENT						
DEVICE	SECOND SCANNING LENS 5b					K
SURFACE	INCIDENT SURFACE					8.7944E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$	$\gamma^{10}$
$X^0$	0.0000E+00	-1.2929E-02	-3.9672E-05	-2.4341E-08	6.5352E-10	3.0567E-12
$X^2$	-3.3604E-04	-1.0658E-05	-2.2548E-08	3.3417E-11	8.6494E-13	0.0000E+00
$X^4$	5.2175E-06	-1.1900E-08	8.2217E-11	-1.9087E-13	0.0000E+00	0.0000E+00
$X^6$	-1.8294E-09	8.7846E-12	-2.8013E-14	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	2.6515E-15	-9.9952E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^{10}$	1.0610E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

FIG. 14E

ASSPHERICAL COEFFICIENT						
DEVICE	SECOND SCANNING LENS 5b					K
SURFACE	LIGHT EMERGENCE SURFACE					2.2545E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$	$\gamma^{10}$
$X^0$	0.0000E+00	-1.0930E-03	-1.4592E-05	3.0157E-08	-8.5957E-11	4.1395E-13
$X^2$	-4.1889E-04	-2.2205E-05	-8.9921E-09	2.1539E-11	-4.1669E-14	0.0000E+00
$X^4$	-4.9253E-06	1.9010E-09	-1.6464E-11	-1.5503E-13	0.0000E+00	0.0000E+00
$X^6$	8.5327E-09	-3.3855E-12	7.4694E-15	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	-4.1149E-12	1.6041E-15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^{10}$	6.9470E-16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**FIG. 15****FIG. 16**

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.148 (%)	UPPER SIDE	0.045 (%)
LOWER SIDE	-0.148 (%)	LOWER SIDE	0.045 (%)
LEFT SIDE	0.266 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.037 (%)	RIGHT SIDE	0.000 (%)

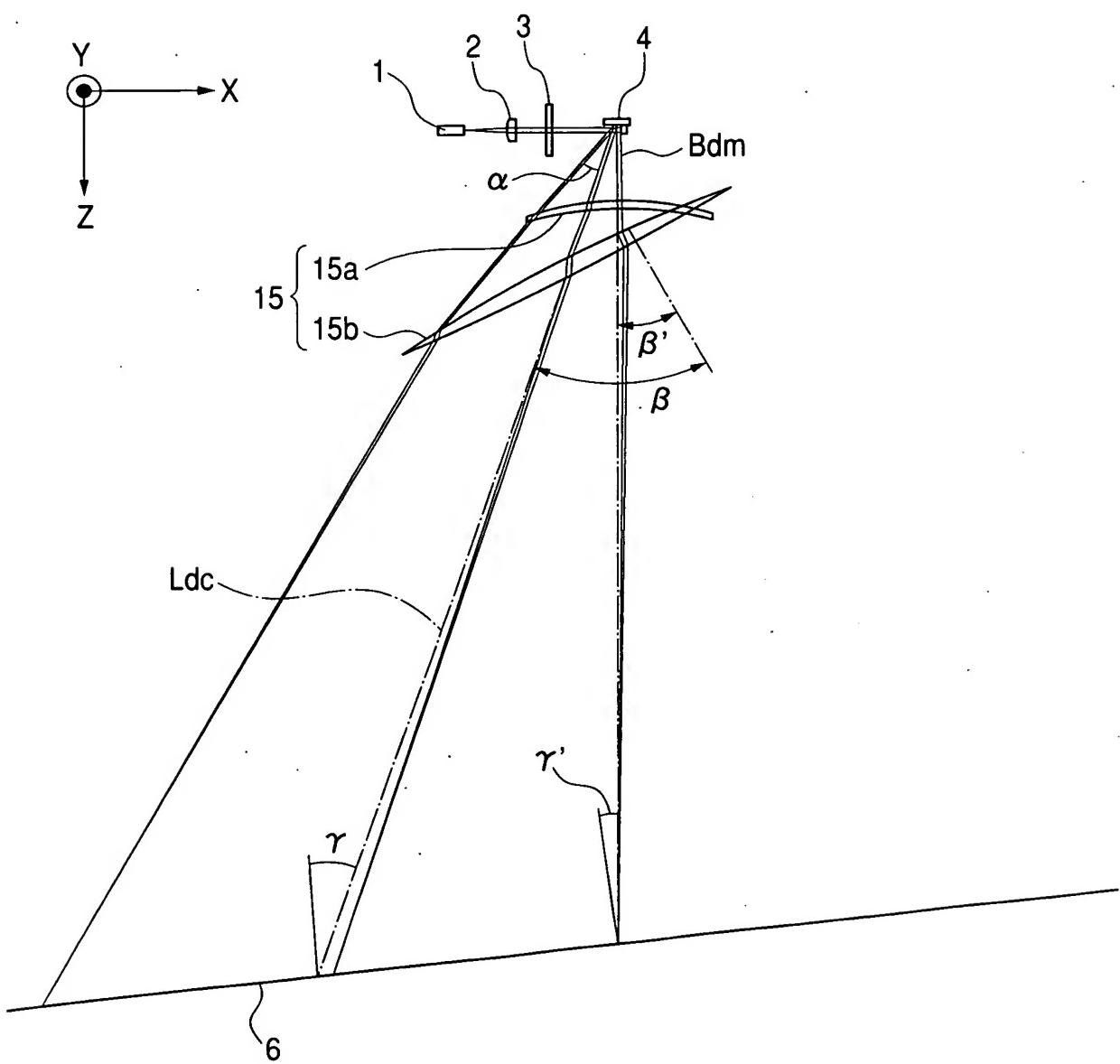
**FIG. 17**

FIG. 18A

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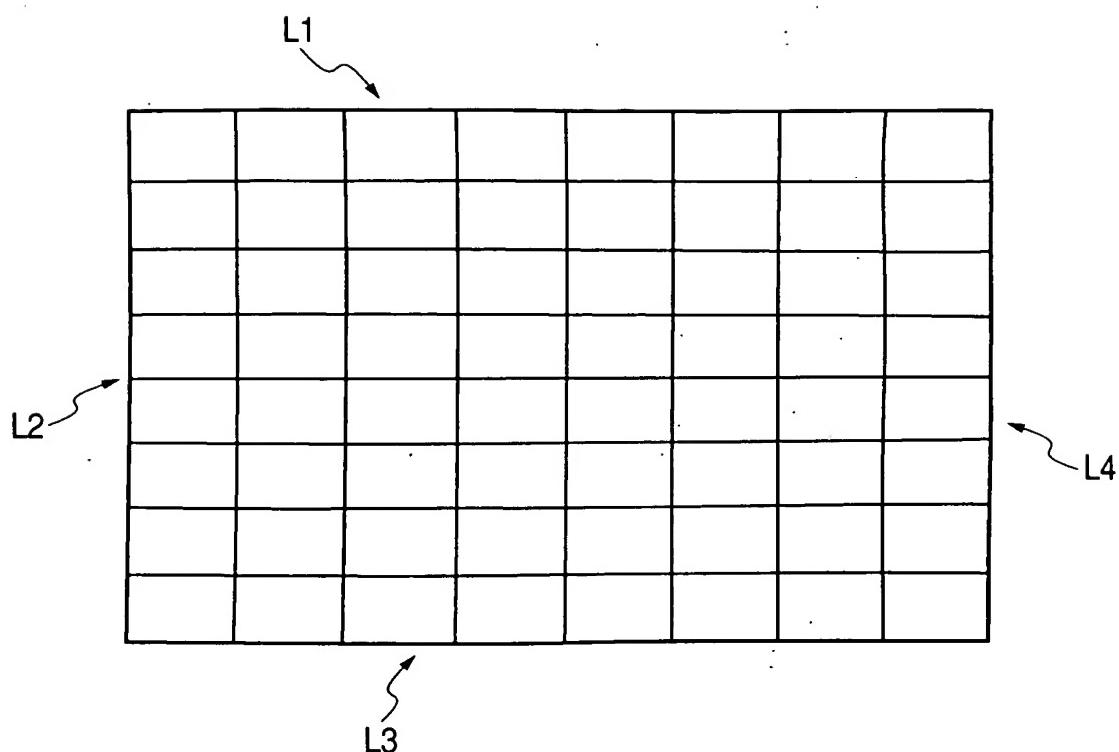
OPTICAL SYSTEM							
OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION	POSITION OF SURFACE VERTEX	POSITION Y	POSITION X	POSITION Z	TILT OF NORMAL TO SURFACE
DEVICE SURFACE	Y RADIUS OF CURVATURE	SURFACE SEPARATION					REFRACTIVE INDEX
		(mm)	(mm)	(mm)	(mm)	(mm)	$\nu_d$
DEFLECTING REFLECTING SURFACE UNIT 4			39.860	0.000	0.000	0.000	
FIRST SCANNING LENS 15a	INCIDENT SURFACE	144.1589	3.000	39.860	0.000	0.000	0.000 1.75520 27.5
	LIGHT EMERGENCE SURFACE	153.0713	2.000	42.860	0.000	0.000	0.000
SECOND SCANNING LENS 15b	INCIDENT SURFACE	180.5564	0.140	44.860	20.004	0.000	0.000 1.75520 27.5
	LIGHT EMERGENCE SURFACE	-199.8478	399.471	45.000	69.405	0.000	0.000
SURFACE TO BE SCANNED 6				444.471	-0.296	0.000	6.835 0.000

*FIG. 18B*

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 15b				K
SURFACE	INCIDENT SURFACE				-2.1677E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-1.1493E-02	3.7211E-07	0.0000E+00	0.0000E+00
$x^2$	4.7398E-04	-4.4403E-08	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	-2.8232E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

*FIG. 18C*

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 15b				K
SURFACE	LIGHT EMERGENCE SURFACE				-6.0053E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-7.8454E-03	-4.6779E-07	0.0000E+00	0.0000E+00
$x^2$	2.0545E-03	-1.0375E-07	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	1.2955E-08	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**FIG. 19****FIG. 20**

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.163 (%)	UPPER SIDE	0.110 (%)
LOWER SIDE	-0.163 (%)	LOWER SIDE	0.110 (%)
LEFT SIDE	0.194 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.106 (%)	RIGHT SIDE	0.000 (%)

FIG. 21

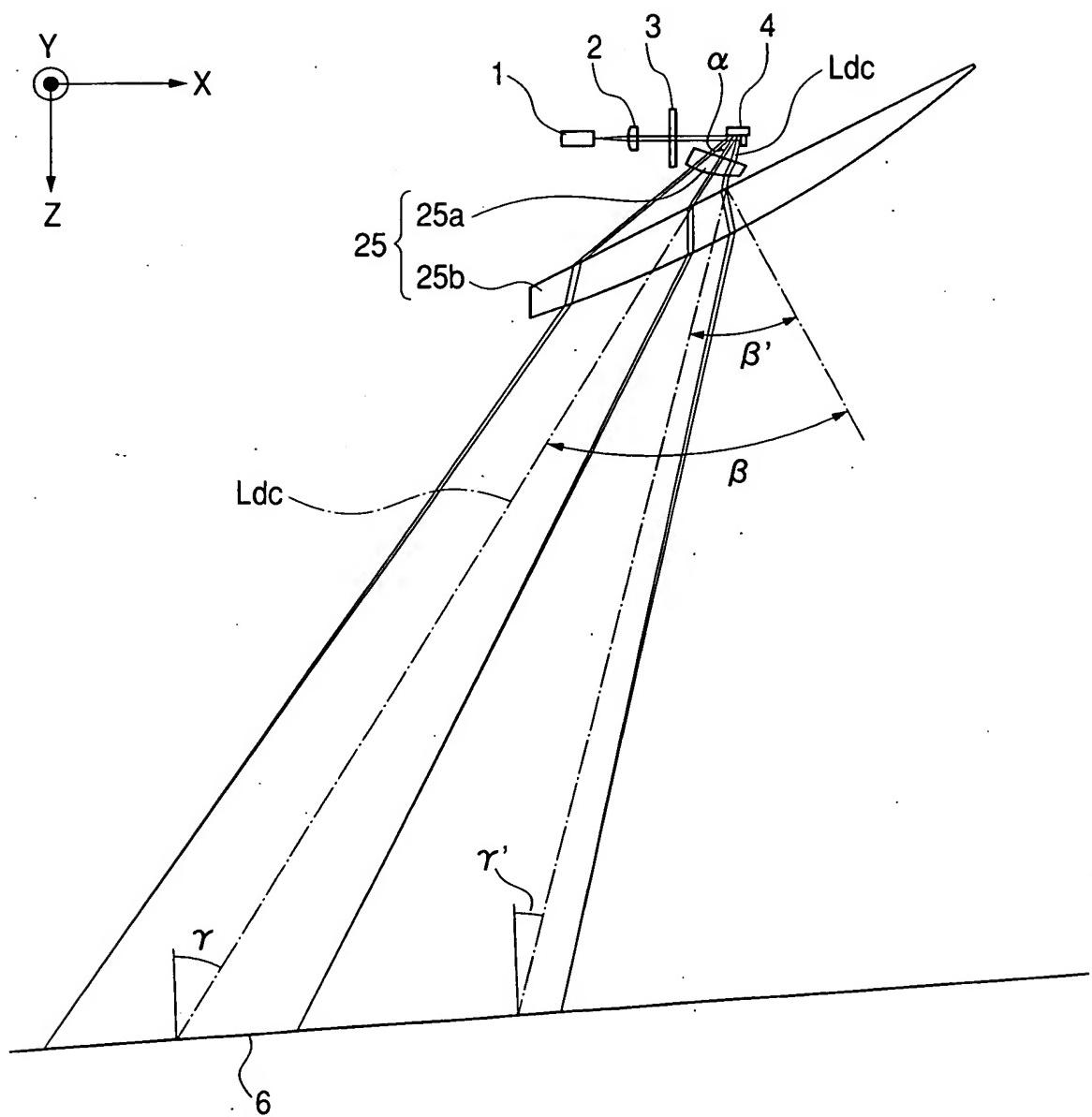


FIG. 22A

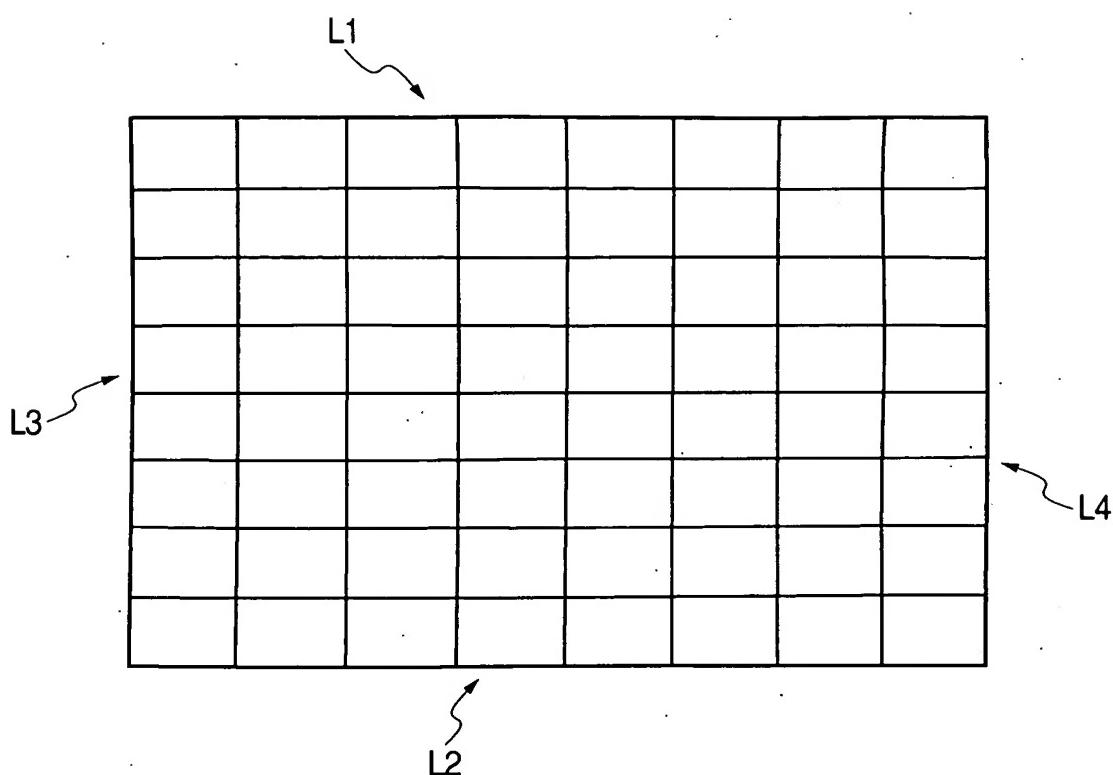
OPTICAL SYSTEM								
OPTICAL SURFACE		RADIUS OF CURVATURE		SURFACE SEPARATION		POSITION OF SURFACE VERTEX		REFRACTIVE INDEX
DEVICE	SURFACE	Y RADIUS OF CURVATURE	X RADIUS OF CURVATURE	POSITION Z	POSITION X	POSITION Y	DISPERSION	
		(mm)	(mm)	(mm)	(mm)	(mm)	v d	
DEFLECTING UNIT 4	REFLECTING SURFACE			19.471	0.000			
FIRST SCANNING LENS 25a	INCIDENT SURFACE	-59.2564	0.140	19.471	32.136	0.000	0.000	
	LIGHT EMER- GENCE SURFACE	-56.7891	0.140	19.611	6.104	0.000	0.000	
SECOND SCANNING LENS 25b	INCIDENT SURFACE	177.3642	0.700	19.751	13.353	0.000	30.000	
	LIGHT EMER- GENCE SURFACE	-202.4853	535.957	20.451	149.086	0.000	47.218	
SURFACE TO BE SCANNED 6				556.408	-88.835	0.000	4.961	

***FIG. 22B***

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 25b				K
SURFACE	INCIDENT SURFACE				-9.8701E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-7.1559E-03	8.6088E-08	0.0000E+00	0.0000E+00
$x^2$	-6.5182E-04	4.4616E-08	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	2.3774E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

***FIG. 22C***

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 25b				K
SURFACE	LIGHT EMERGENCE SURFACE				-9.9096E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-2.7111E-03	-2.8962E-07	0.0000E+00	0.0000E+00
$x^2$	1.6414E+00	-3.8837E-08	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	-9.3506E-10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

***FIG. 23******FIG. 24***

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.037 (%)	UPPER SIDE	-0.010 (%)
LOWER SIDE	-0.037 (%)	LOWER SIDE	-0.010 (%)
LEFT SIDE	0.064 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.111 (%)	RIGHT SIDE	0.000 (%)

FIG. 25

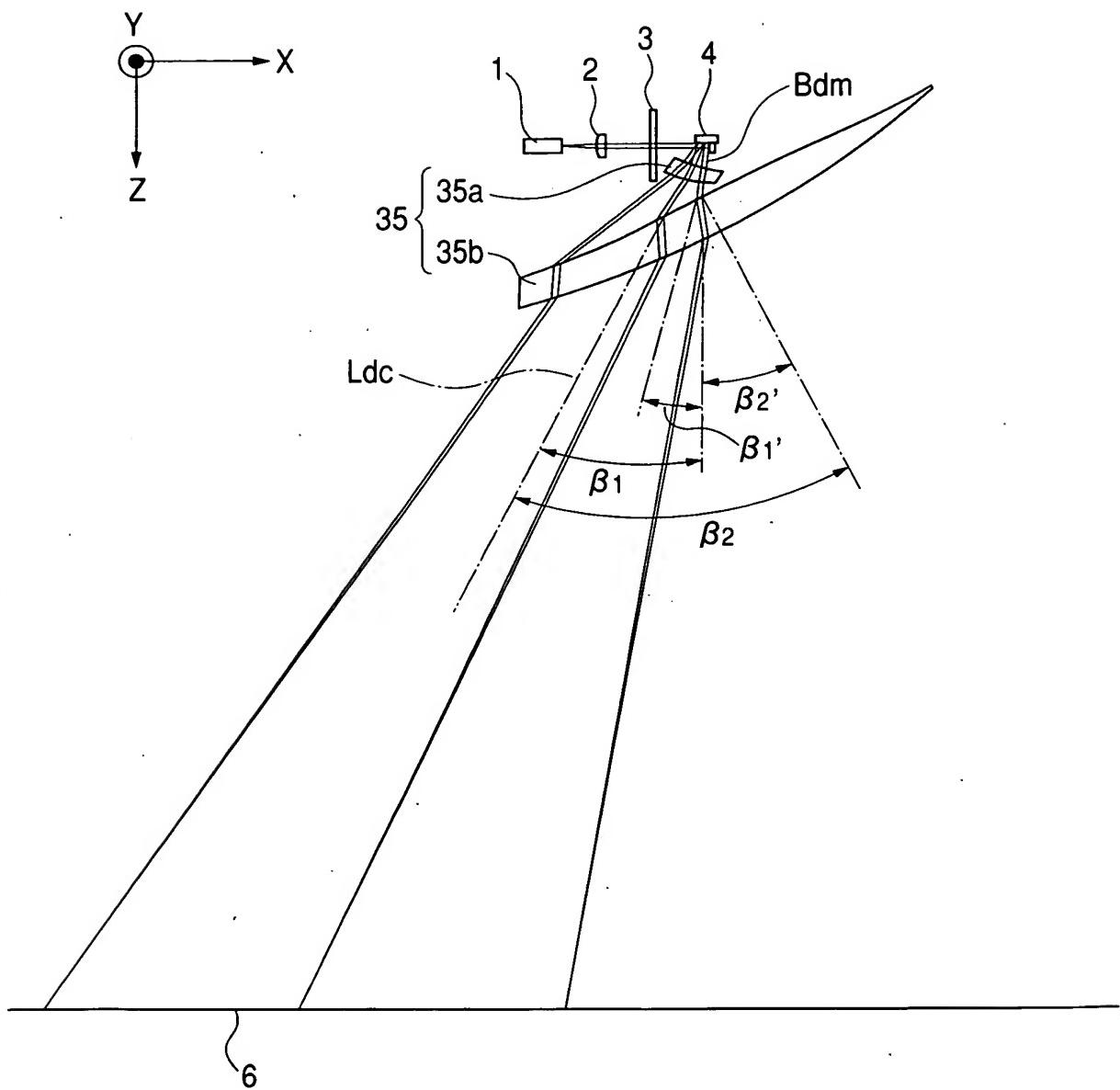


FIG. 26A

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OPTICAL SYSTEM							
OPTICAL SURFACE		RADIUS OF SURFACE SEPARATION	POSITION OF SURFACE VERTEX		TILT OF NORMAL TO SURFACE		REFRACTIVE INDEX
DEVICE	SURFACE	Y RADIUS OF CURVATURE	POSITION Z	POSITION X	POSITION Y	TILT ZX	TILT ZY
		(mm)	(mm)	(mm)	(mm)	(deg)	(deg)
DEFLECTING UNIT 4	REFLECTING SURFACE		16.489	0.000			
FIRST SCANNING LENS 35a	INCIDENT SURFACE LIGHT EMERGENCE SURFACE	-105.7343 -278.2567	0.160 0.100	16.489 16.649	27.222 -6.940	0.000 0.000	7.471 -1.813
SECOND SCANNING LENS 35b	INCIDENT SURFACE LIGHT EMERGENCE SURFACE	83.4333 -183.4301	0.700 499.855	16.749 17.449	11.342 119.730	0.000 0.000	28.187 48.187
SURFACE TO BE SCANNED 6				517.304	-68.625	0.000	0.000

***FIG. 26B***

ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 35a				K
SURFACE	INCIDENT SURFACE				-4.3379E+00
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	4.4406E-03	2.0695E-05	0.0000E+00	0.0000E+00
$x^2$	-6.4421E-03	1.0958E-05	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	2.3784E-07	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

***FIG. 26C***

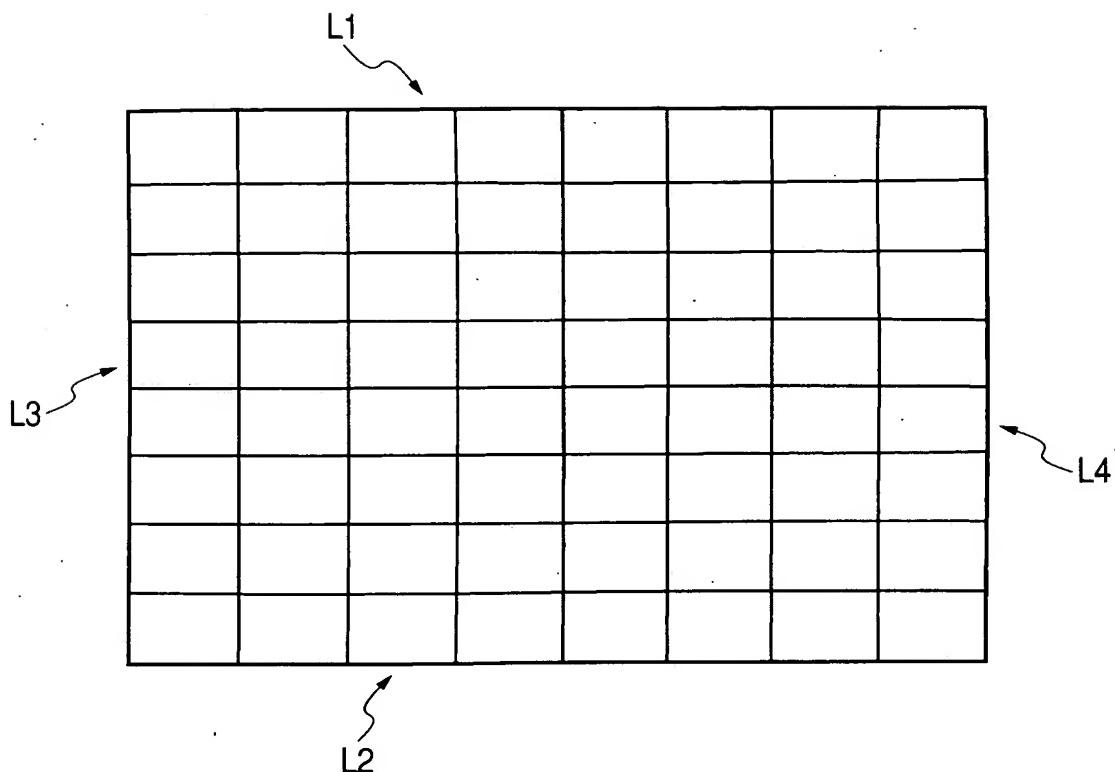
ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 35a				K
SURFACE	LIGHT EMERGENCE SURFACE				-7.5714E+01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$x^0$	0.0000E+00	-9.8325E-03	5.1377E-07	0.0000E+00	0.0000E+00
$x^2$	-9.0439E-04	7.0829E-08	0.0000E+00	0.0000E+00	0.0000E+00
$x^4$	4.1836E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$x^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**FIG. 26D**

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 35b				K
SURFACE	INCIDENT SURFACE				-7.5714E+01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$X^0$	0.0000E+00	-9.8325E-03	5.1377E-07	0.0000E+00	0.0000E+00
$X^2$	-9.0439E-04	7.0829E-08	0.0000E+00	0.0000E+00	0.0000E+00
$X^4$	4.1836E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**FIG. 26E**

ASSPHERICAL COEFFICIENT					
DEVICE	SECOND SCANNING LENS 35b				K
SURFACE	LIGHT EMERGENCE SURFACE				-9.5698E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$X^0$	0.0000E+00	-3.3817E-03	-7.0526E-07	0.0000E+00	0.0000E+00
$X^2$	1.5315E-03	-1.0305E-07	0.0000E+00	0.0000E+00	0.0000E+00
$X^4$	-1.3855E-09	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^6$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

**FIG. 27****FIG. 28**

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.058 (%)	UPPER SIDE	0.012 (%)
LOWER SIDE	-0.058 (%)	LOWER SIDE	0.012 (%)
LEFT SIDE	0.069 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.060 (%)	RIGHT SIDE	0.000 (%)

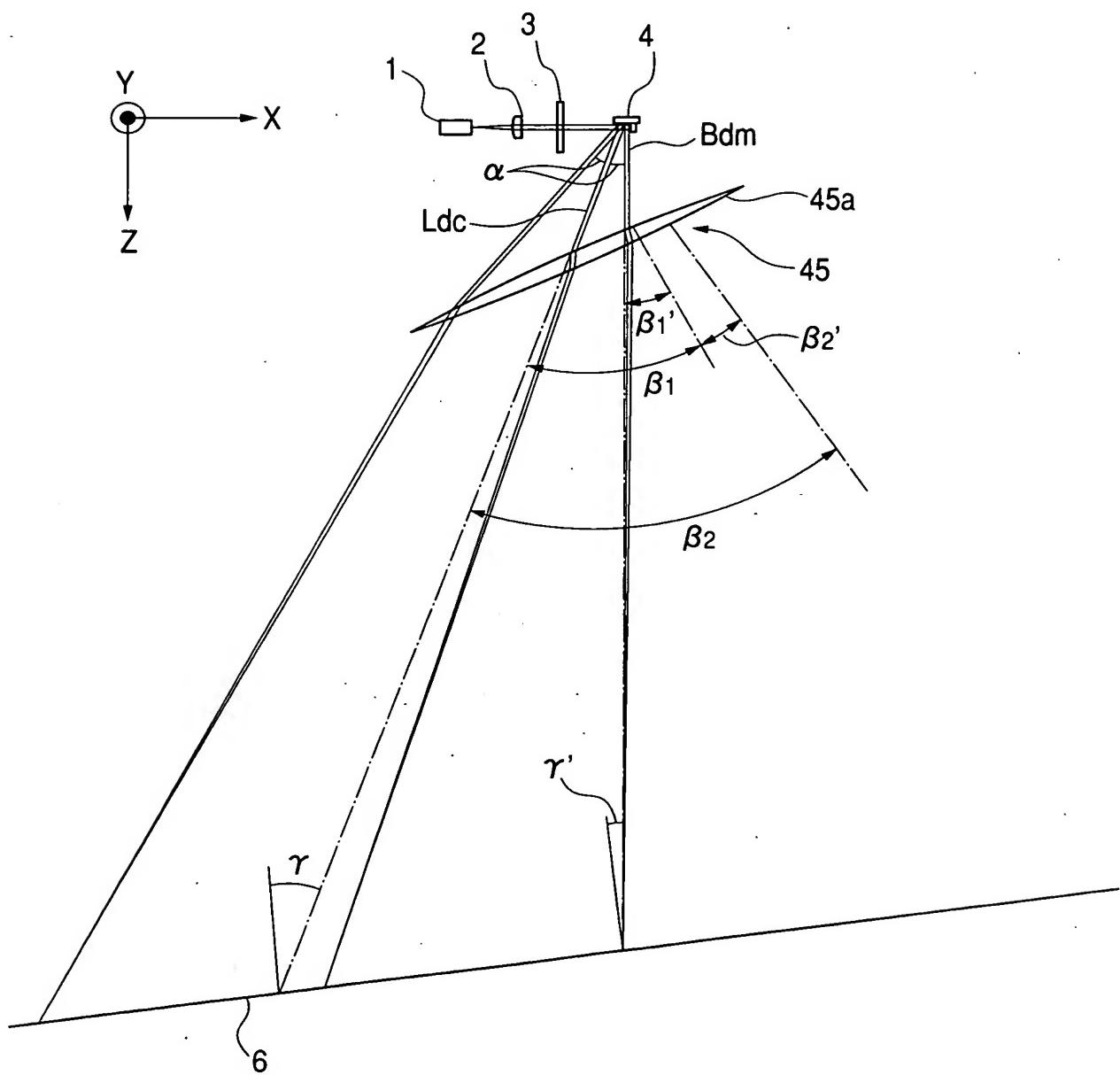
**FIG. 29**

FIG. 30A

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OPTICAL SYSTEM							
OPTICAL SURFACE	RADIUS OF CURVATURE	SURFACE SEPARATION	POSITION OF SURFACE VERTEX	POSITION X	POSITION Y	POSITION Z	TILT OF NORMAL TO SURFACE
DEVICE	SURFACE	Y RADIUS OF CURVATURE	SURFACE SEPARATION	(mm)	(mm)	(mm)	REFRACTIVE INDEX
DEFLECTING UNIT 4	REFLECTING SURFACE		49.860	0.000			
FIRST SCANNING LENS 45b	INCIDENT SURFACE LIGHT EMISSION SURFACE	172.0144	0.140	49.860	12.932	0.000	25.000 0.000 1.75520 27.5
SURFACE TO BE SCANNED 6		-178.0748	402.084	50.000	68.349	0.000	36.040 0.000

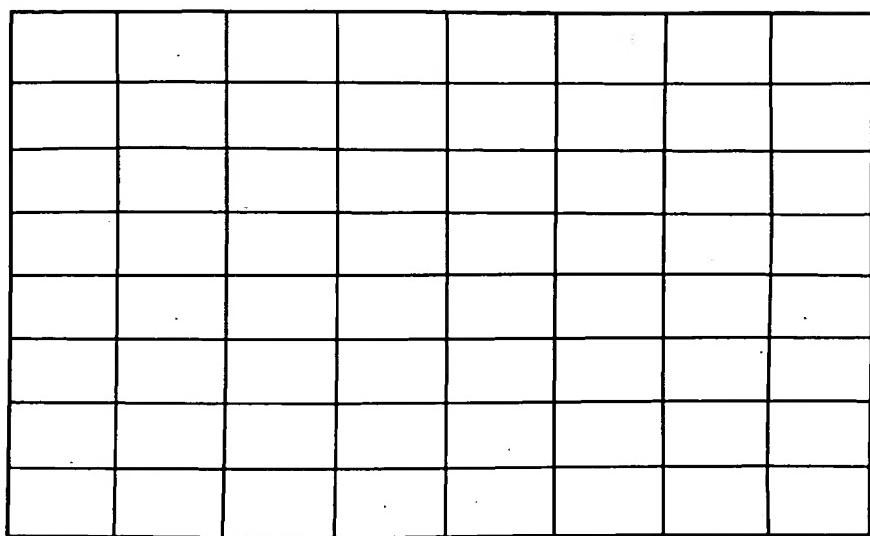
*FIG. 30B*

ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 45a				K
SURFACE	INCIDENT SURFACE				-9.6195E+02
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$X^0$	0.0000E+00	-1.4038E-02	2.7472E-06	-3.1388E-10	0.0000E+00
$X^2$	3.0160E-04	-4.3890E-08	-2.3366E-11	0.0000E+00	0.0000E+00
$X^4$	-1.6218E-09	9.1459E-13	0.0000E+00	0.0000E+00	0.0000E+00
$X^6$	3.3836E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

*FIG. 30C*

ASPHERICAL COEFFICIENT					
DEVICE	FIRST SCANNING LENS 45a				K
SURFACE	LIGHT EMERGENCE SURFACE				-7.0304E-01
	$\gamma^0$	$\gamma^2$	$\gamma^4$	$\gamma^6$	$\gamma^8$
$X^0$	0.0000E+00	-9.9320E-03	3.4709E-07	3.8799E-10	0.0000E+00
$X^2$	1.6734E-03	-1.3457E-07	-1.0293E-12	0.0000E+00	0.0000E+00
$X^4$	1.8684E-08	-1.4702E-12	0.0000E+00	0.0000E+00	0.0000E+00
$X^6$	-3.6730E-14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
$X^8$	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

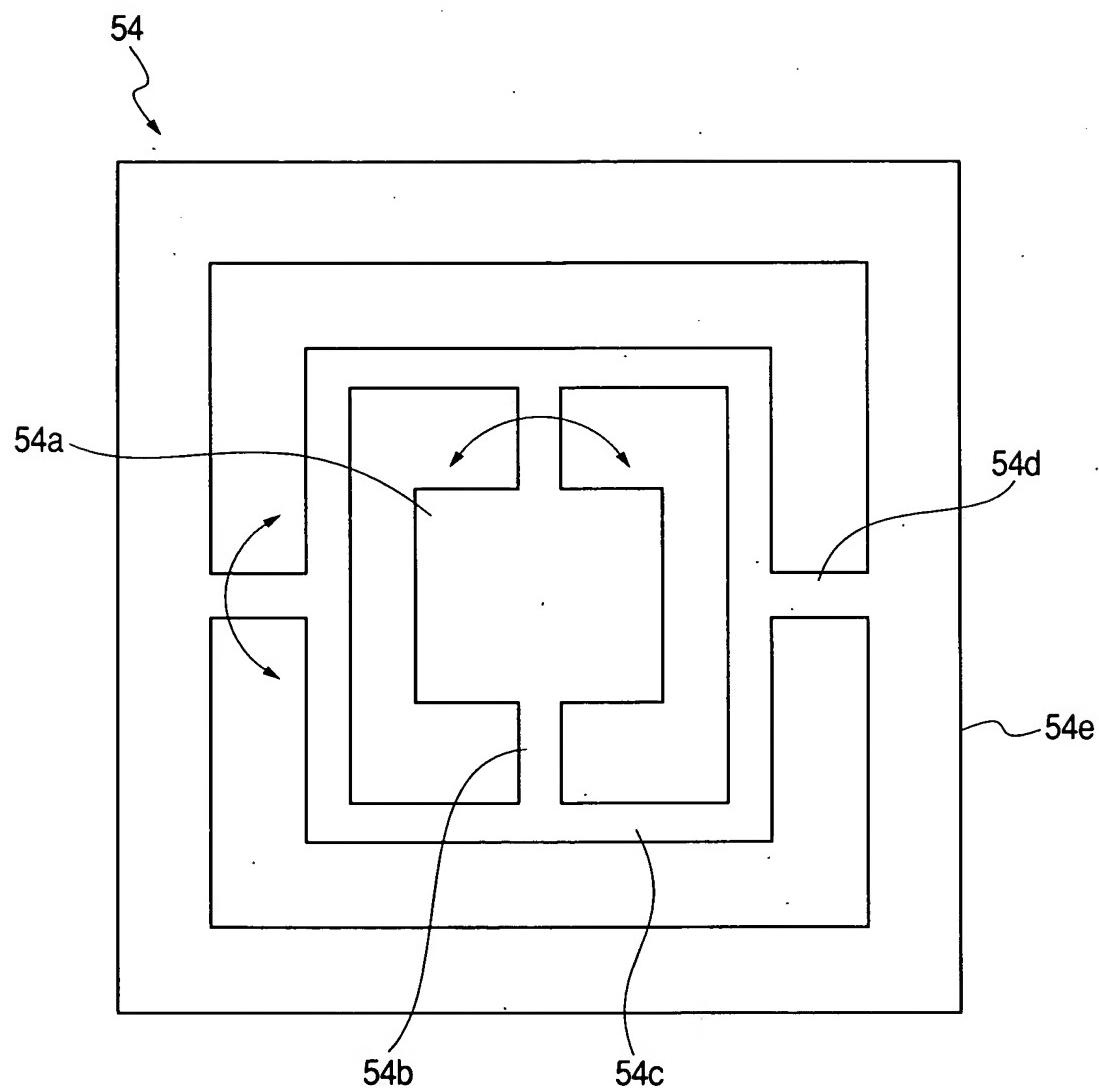
*FIG. 31*



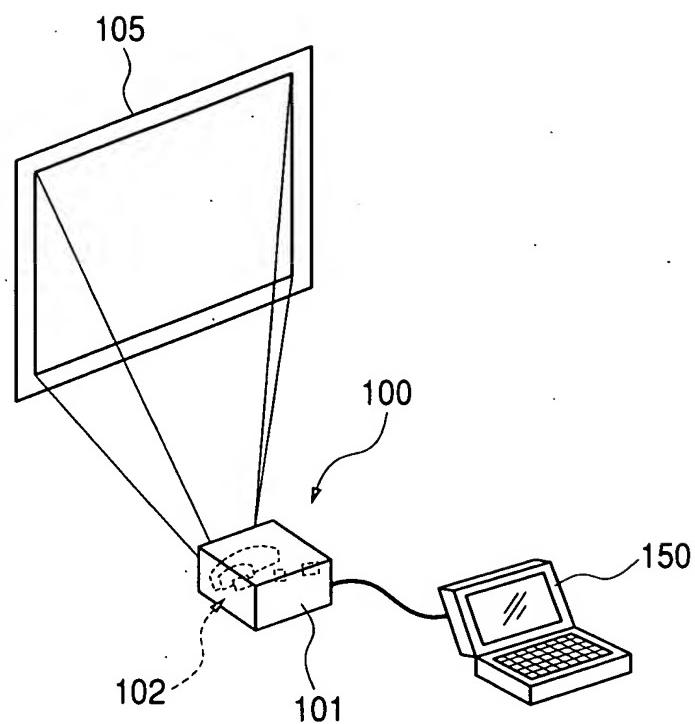
*FIG. 32*

TV DISTORTION		TRAPEZOID DISTORTION	
UPPER SIDE	0.173 (%)	UPPER SIDE	0.097 (%)
LOWER SIDE	-0.173 (%)	LOWER SIDE	0.097 (%)
LEFT SIDE	0.132 (%)	LEFT SIDE	0.000 (%)
RIGHT SIDE	-0.198 (%)	RIGHT SIDE	0.000 (%)

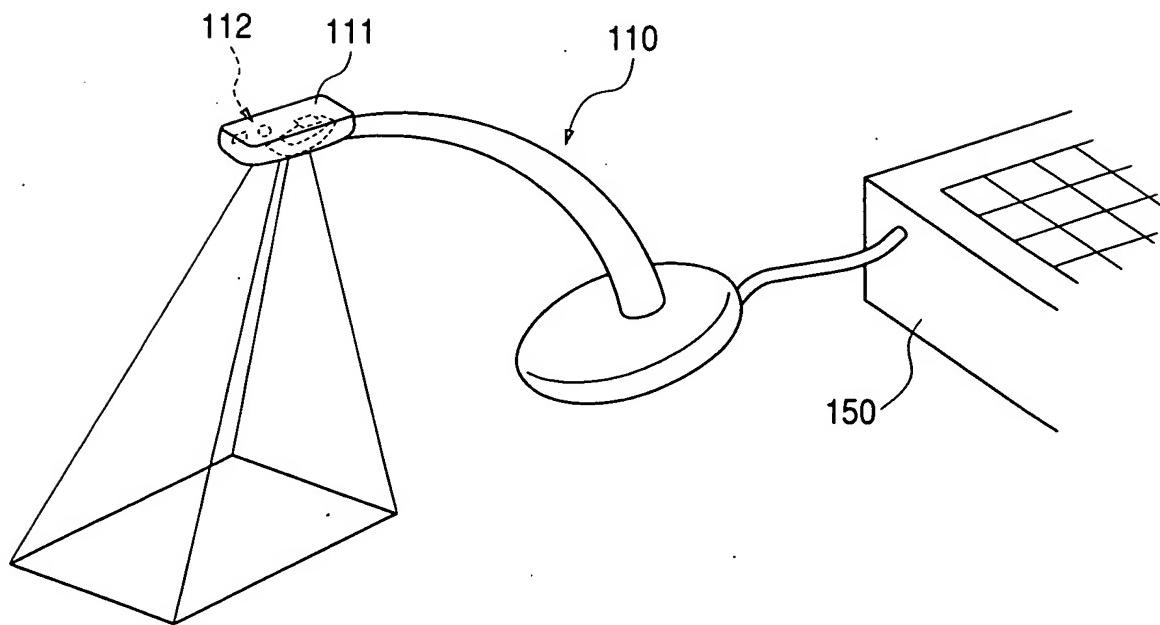
*FIG. 33*



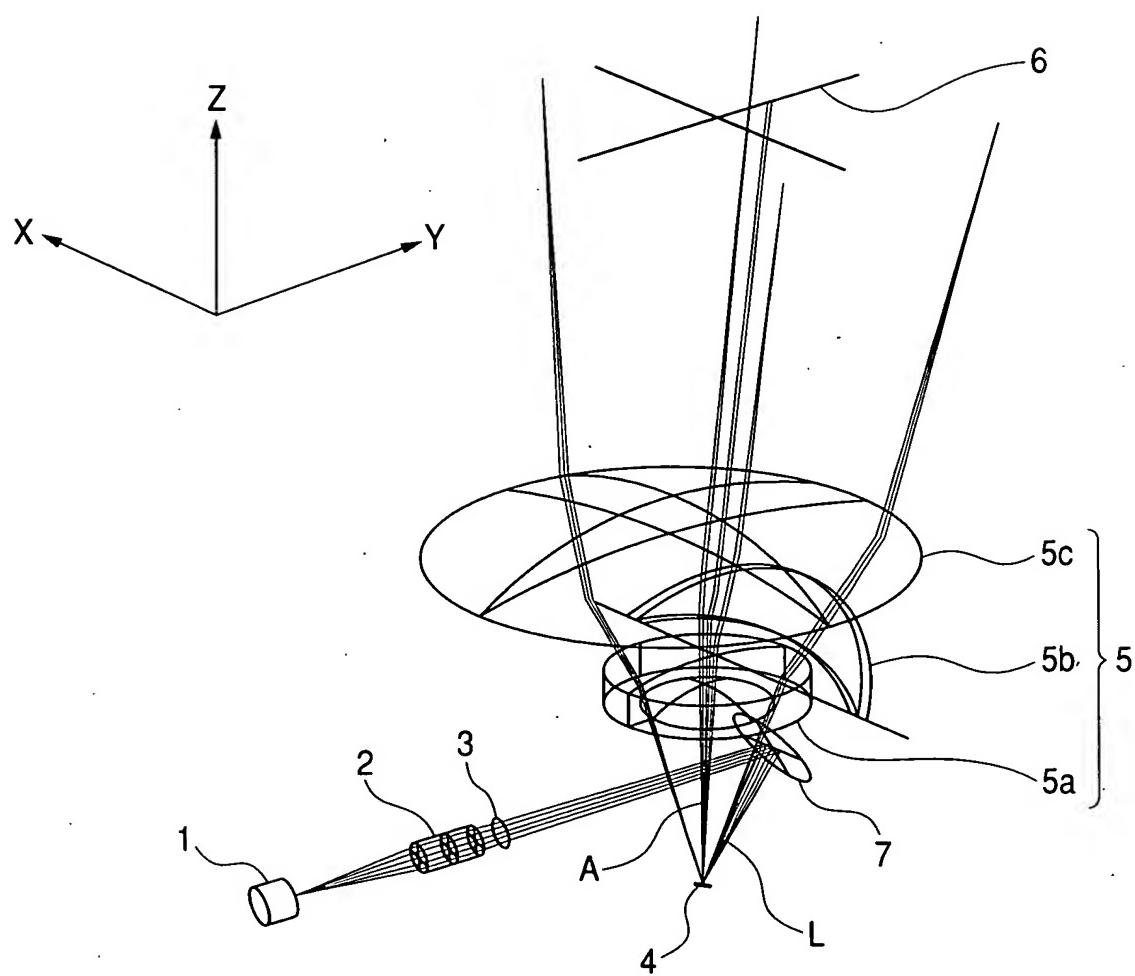
*FIG. 34A*



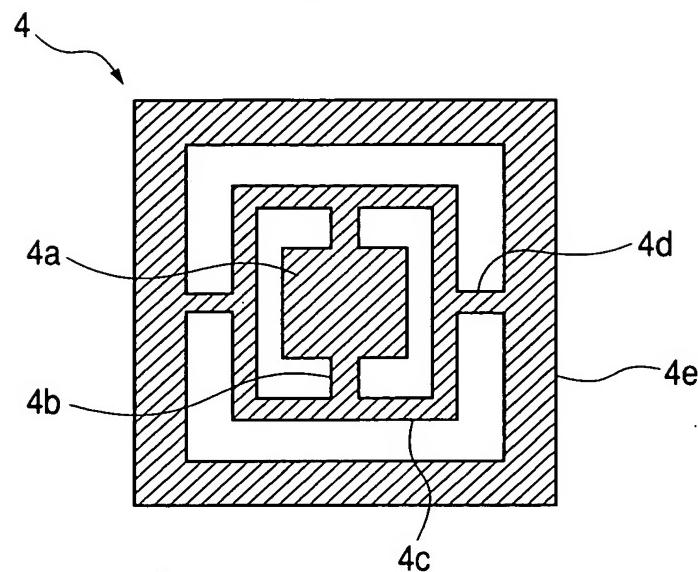
*FIG. 34B*



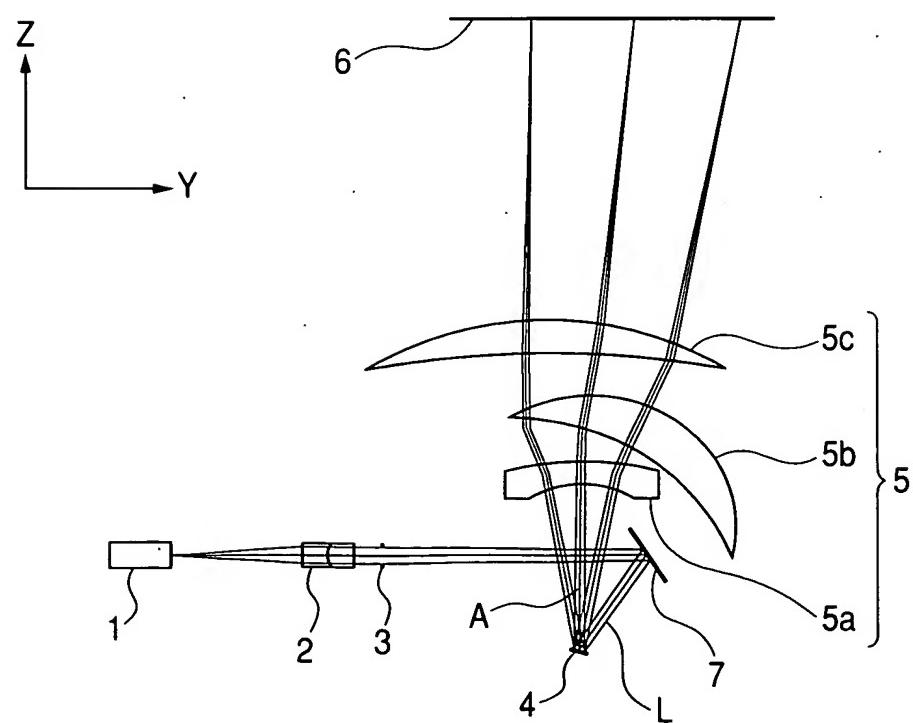
*FIG. 35*



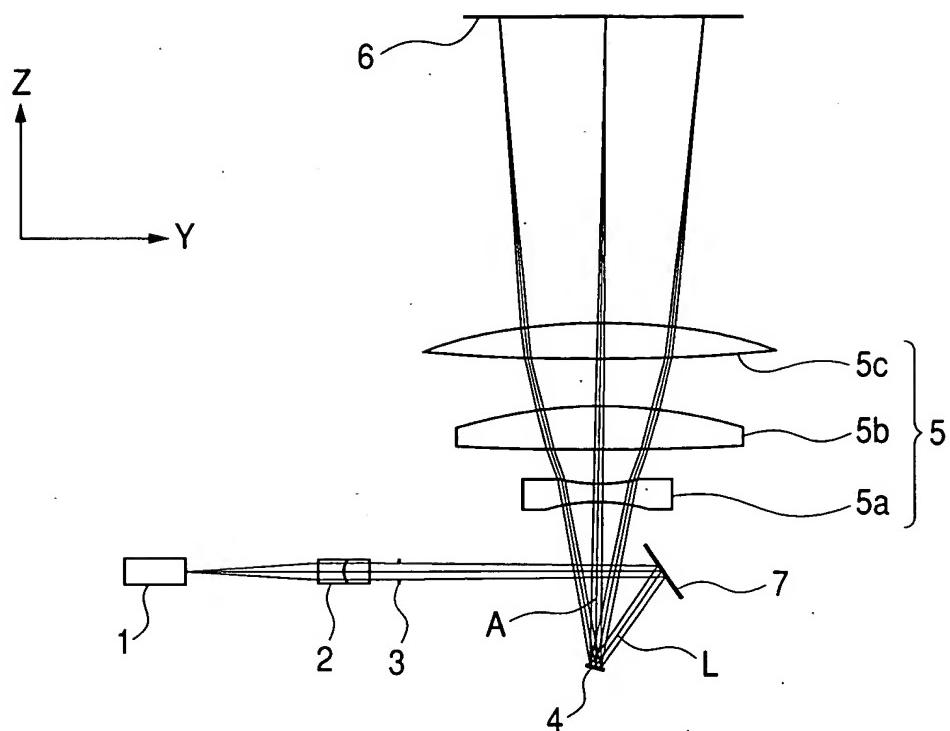
*FIG. 36*



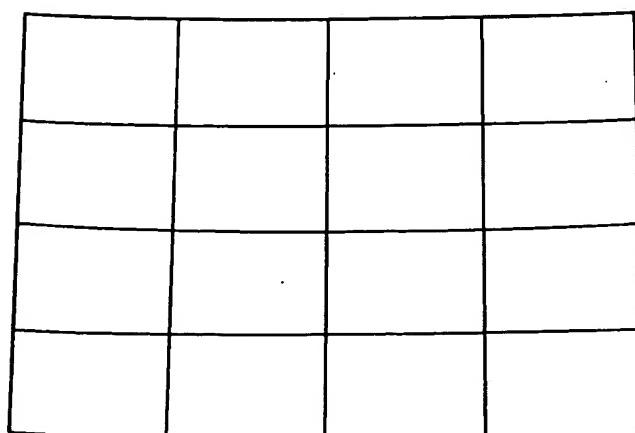
*FIG. 37*



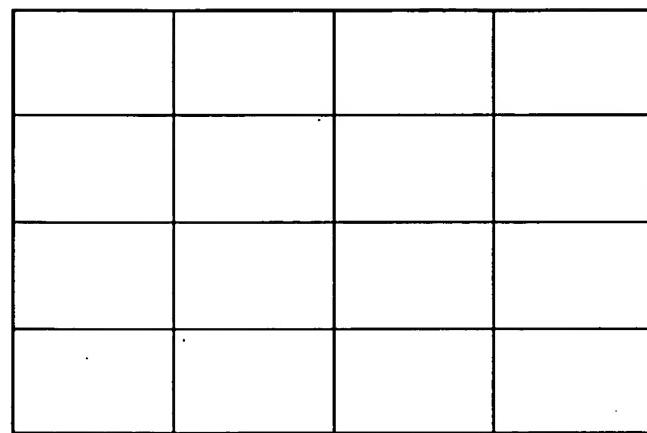
*FIG. 38*



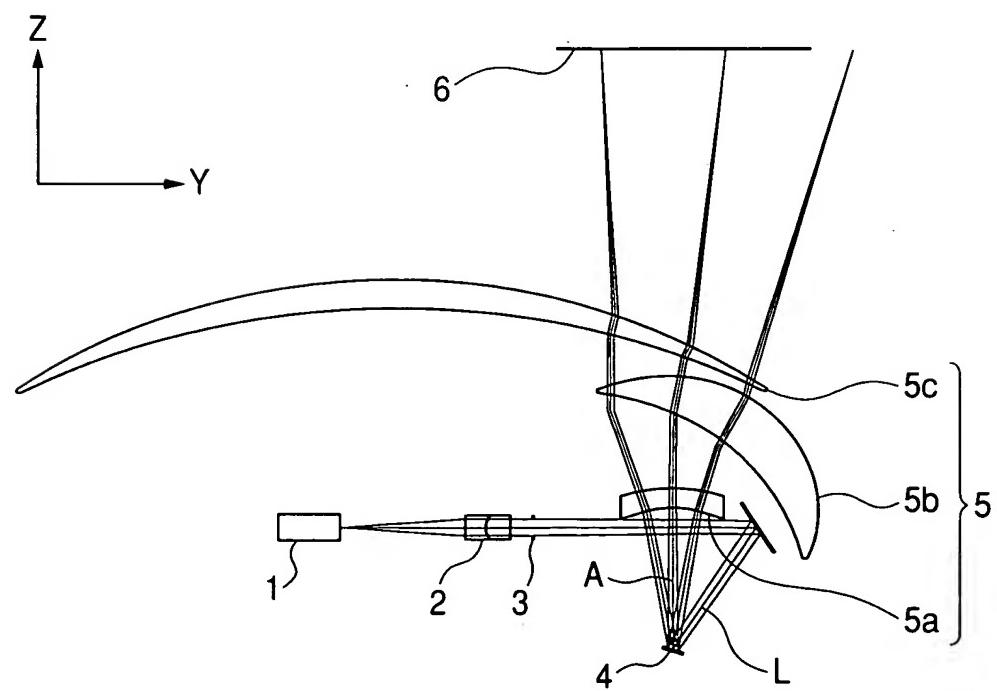
*FIG. 39*



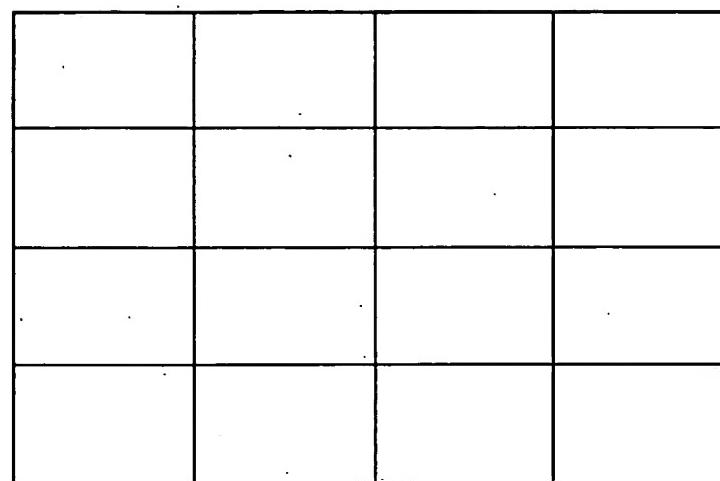
**FIG. 40**



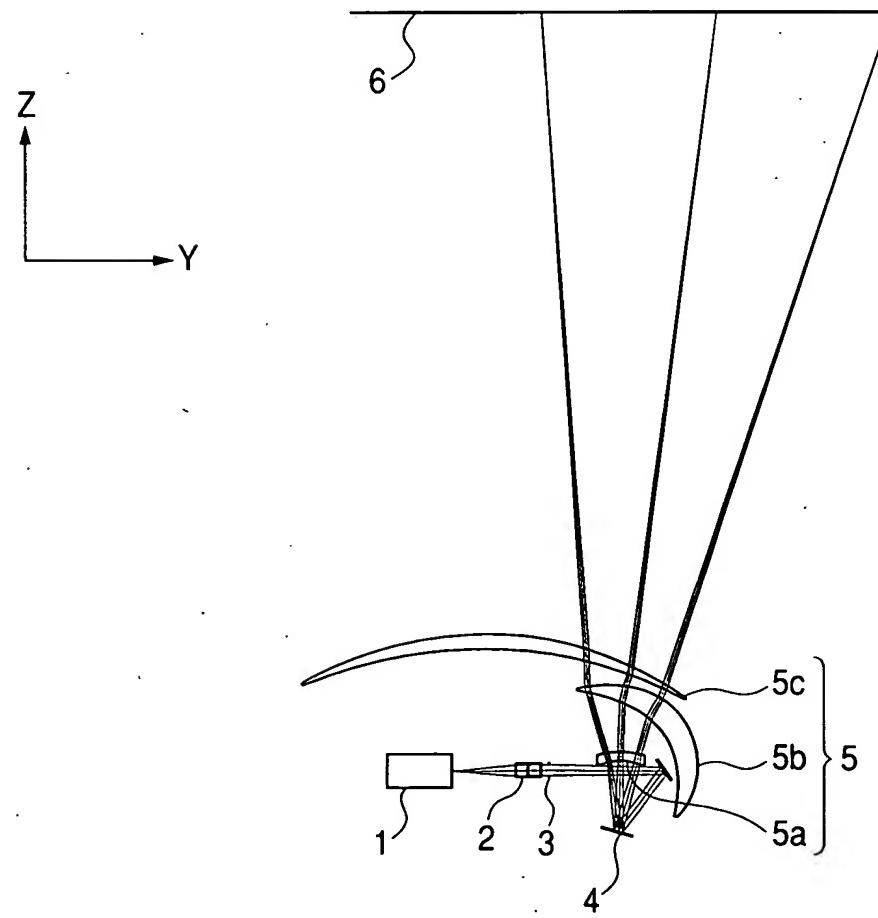
**FIG. 41**



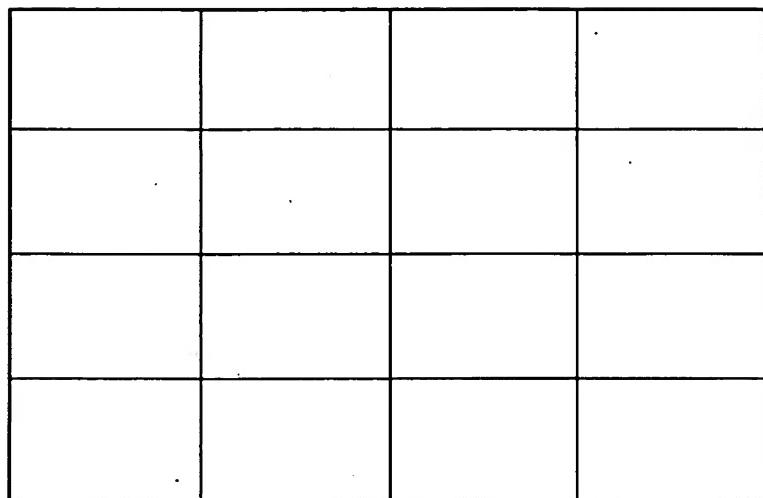
*FIG. 42*



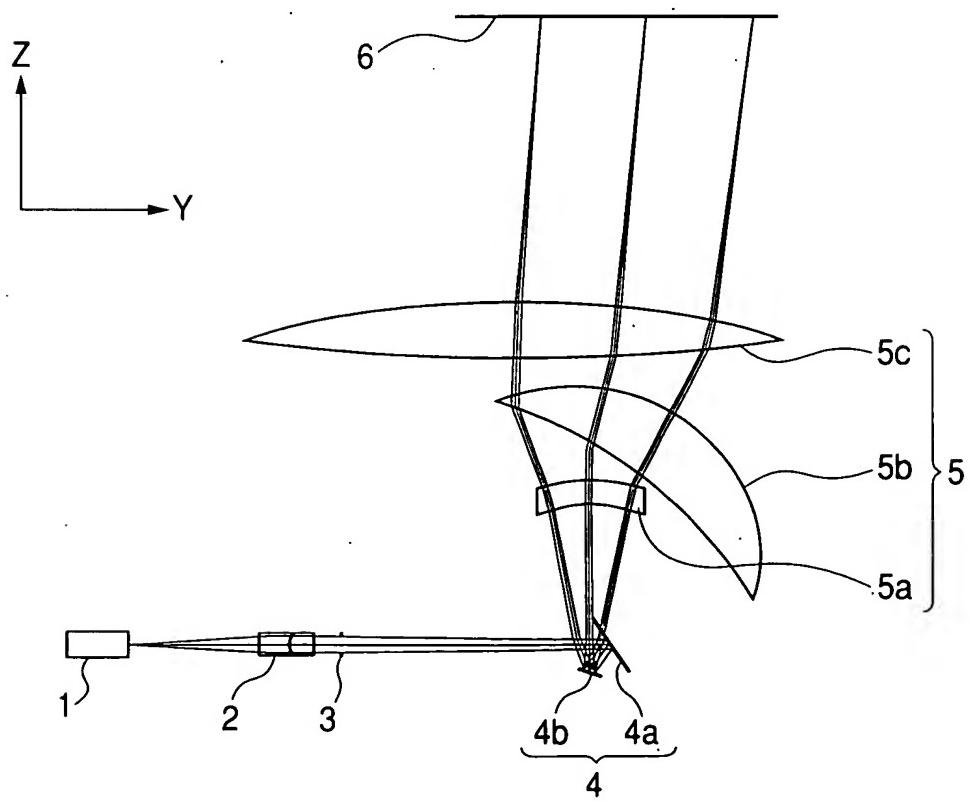
*FIG. 43*



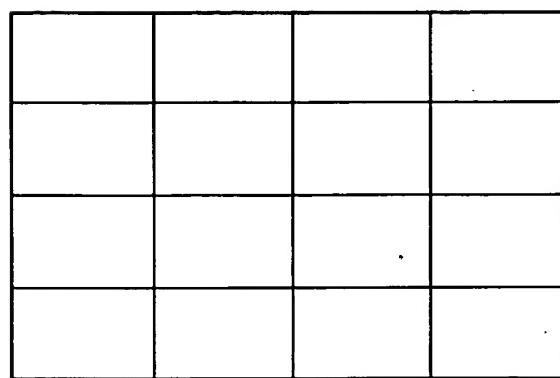
**FIG. 44**



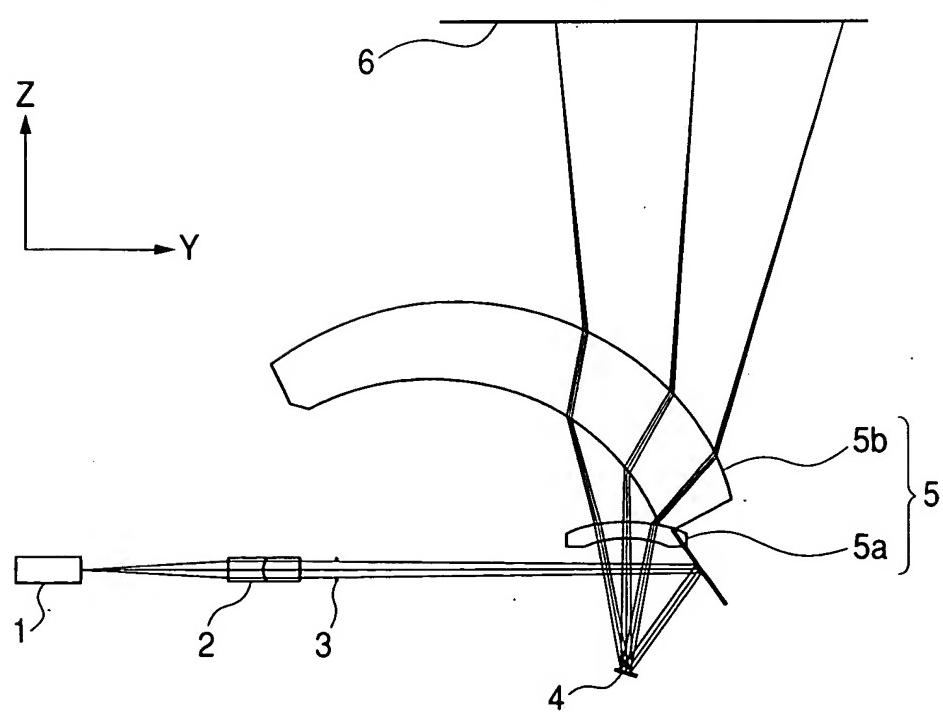
**FIG. 45**



*FIG. 46*



*FIG. 47*



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*FIG. 48*
